PROJECT NAME: Tremonton City Fiber-Optic Buildout

RECIPIENT: Tremonton City

LOCATION: Tremonton, Utah

PURPOSE:

Tremonton City believes that constructing fiber-optic connection to homes, schools, and businesses within the City is critical infrastructure equivalent to other municipal infrastructure such as roads, water and sewer systems. To this end Tremonton City has already constructed a portion of a fiber-optic network throughout the City. Fiber optics is the fastest, most reliable technology for providing telecommunication services. It uses pulses of light to transmit information, so data literally travels at the speed of light. Additionally, fiber-optics can carry unlimited amounts of information, it's the most durable and reliable communications infrastructure, and it adapts to changing technologies. So while electronics at the end of the fiber strands may need to be upgraded, the core of the network will not have to be redone.

Wireless will never be able to economically provide the bandwidth required for present and future high-definition services. Wireless technologies rely on mainline broadband to connect to the Internet and offer services. This makes wireless highly complementary to fiber networks, but not a replacement. Wireless technology is also inherently limited by sharing bandwidth, which always means depressed speeds and reliability. Businesses and telecommunications networks see fiber-optics as a necessary investment for these reasons, and know that it will promote quality economic growth. Tremonton City has chosen fiber-optic technology because it's the best technology, which means better long-term benefit to our citizens.

Tremonton City's fiber-optic network is different from other networks because it's "fiber-to-the-home" technology which means that fiber strand connects directly from homes or businesses to the main City fiber-optic backbone. This dedicated connection means Tremonton City residents to not share bandwidth and speeds with other individuals. Most other networks with fiber-optic technology bring fiber to an area, but then that connection is split between copper wiring, which is shared with others. Sharing a connection cuts down on reliability and speed and will sometimes cause connections to stop completely during high-usage times.

Tremonton City believes that creating a fiber network to the home, school, or business within our community is critical infrastructure just like other public works projects like creating a transportation network, water system, sewer system etc. These types of public works projects require large amount of funding and due to the initial expense of building a fiber-optic network.

AMOUNT: $272,112